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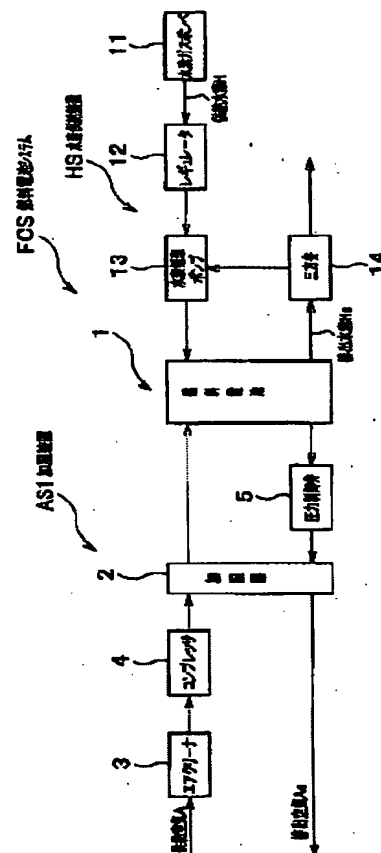
APPLICATION DATE : 30-08-00
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APPLICANT : HONDA MOTOR CO LTD;

INVENTOR : NUMATA HIDEO;

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TITLE : HUMIDIFYING DEVICE FOR FUEL CELL



ABSTRACT : **PROBLEM TO BE SOLVED:** To enhance humidifying efficiency of gas supplied to a fuel cell by transforming moisture contained in exhaust air from the fuel cell into vapor in more volume to improve water recovery rate.

SOLUTION: With the humidifying device AS1, a pressure control valve 5 is arranged at a downstream side of a channel for exhaust air Ae discharged from the fuel cell 1 and a humidifier 2 is arranged at a downstream side of the pressure control valve 5. In other words, the pressure control valve 5 is arranged at an upstream side of the humidifier 2. With this, the humidifier need not be put under high pressure even if the pressure of the fuel cell 1 is controlled by the pressure control valve 5, and therefore, moisture contained in the exhaust air can be transformed into vapor in more volume.

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